

Amendments to the Specification:

Please replace the paragraph of the specification beginning at page 4, line 14 with the following paragraph, in which amendments are shown in redline:

The stator 2 and the moving element 3 are provided with a plurality of first and second stator electrodes 5', 5'' and, respectively, with a plurality of mobile electrodes 6. Each mobile electrode 6 is positioned between two respective stator electrodes 5', 5'', which it partially faces; consequently, each mobile electrode 6 forms, with the two adjacent fixed electrodes 5', 5'', first and, , second capacitors, with plane and parallel faces, respectively. Furthermore, all the first stator electrodes 5' are connected to a first stator terminal 1a, and all the second stator electrodes 5'' are connected to a second stator terminal 1b, while the mobile electrodes 6 are grounded. Consequently, from the electrical point of view, the inertial sensor 1 can be idealized as a first equivalent capacitor 8 and a second equivalent capacitor 9 (illustrated herein with dashed lines), having first terminals connected to the first stator terminal 1a and, respectively, to the second stator terminal 1b, and second terminals connected to ground. Furthermore, the first equivalent capacitor 8 and the second equivalent capacitor 9 have variable capacitances correlated to the relative position of the moving element 3 with respect to the ~~rotor~~ stator 2; in particular, the capacitances of the equivalent capacitors 8, 9 at rest are equal and are unbalanced in the presence of an acceleration oriented according to the preferential detection axis (in this case, the first axis X).

Please replace the paragraph of the specification beginning at page 5, line 9 with the following paragraph, in which amendments are shown in redline:

The inertial sensors 11, 12 are linear sensors with capacitive unbalancing, which are made using MEMS technology and are of the type described previously with reference to Figure 4~~2~~2. In particular, the first inertial sensor 11 and the second inertial sensor 12 have a first preferential detection axis X and, respectively, a second preferential detection axis Y, which are perpendicular to one another and form preferential detection axes of the inertial device 10.